

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	543	((isolat\$3 adj trench) same (fill\$3 near2 material) same (portion deep\$3 depth half))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 19:57
L2	335	1 and side\$1walls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 19:58
L3	397	1 and sidewalls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 19:58
L4	226	3 and (CMP)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 19:58
L5	38	4 and (cap adj (film layer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 19:59
L6	4400	438/424-428.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 20:20
L7	87	1 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 20:20

L8	1601	(438/700).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/08 20:20
L9	7	1 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 20:20
S2	24	("20020025654"   "20020072198"   "20020076874"   "20020119639"   "20030013271"   "20030013272"   "20030235975"   "4795721"   "5440166"   "5581110"   "5933746"   "6531377"   "6596607"). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:19
S3	74613	((isolat\$3 with trench) (via) (open\$3)) same (oxidiz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:20
S4	18209	((isolat\$3 with trench) (via) (open\$3)) same (oxidiz\$5) same (oxygen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:20
S5	15757	S4 and (temperature)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:21
S6	494	S5 and (planarizat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:21
S7	2052	S5 and (downward)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:22

S8	234	S7 and sidewalls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:23
S9	213	S8 and @ad<"20080818"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:24
S10	37194	((isolat\$3 with trench) (via) (open\$3)) same (fill \$3) same (depth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:25
S11	945	((isolat\$3 with trench) (via) (open\$3)) same (fill \$3) same (depth) same (planar)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:25
S12	550	S11 and ((vertical) (liner))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:26
S13	421	S12 and (thickness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:26
S14	368	S13 and (remov\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:27
S15	108	S14 and (planarizat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:27

S16	10	S14 and (planarizat\$3). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:27
S17	17	lerner.in. and eckoldt.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:28
S18	1	S11 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:28
S19	4390	438/424-428.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:29
S20	40	S11 and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:29
S21	795	(438/435).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/30 19:29
S22	16	S11 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:29
S23	14	((trench) with (fill\$3 near2 material) with (portion) with (half))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:30

S24	1	((isolat\$3 adj trench) with (fill\$3 near2 material) with (portion) with (half))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:43
S25	314	((isolat\$3 adj trench) same (fill\$3 near2 material) same (portion))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:44
S26	146	((isolat\$3 adj trench) same (fill\$3 near2 material) same (portion) same (remov\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:44
S27	30	((isolat\$3 adj trench) same (fill\$3 near2 material) same (portion) same (remov\$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:44
S28	72	((trench) same (fill\$3 near2 material) same (portion) same (half))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:51
S29	39	S28 and @ad< "20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:51
S30	24	S27 and @ad< "20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:51
S31	164	257/ e21.545	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:54

S32	338	257/e21.546	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:54
S33	70	257/e21.548	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:54
S34	46	257/e21.549	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:54
S35	29	257/e21.55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:54
S36	42	257/e21.655	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:55
S37	43	257/e21.551	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:56
S38	15	257/e21.552	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/30 19:56
S39	1076	(438/691).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/02 16:30

S40	1597	(438/700).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/02 16:30
S41	314	((isolat\$3 adj trench) same (fill\$3 near2 material) same (portion))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/02 16:30
S42	1	S39 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/02 16:30
S43	6	S40 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/02 16:30
S44	2188	((((trench via open\$3) (isolat\$3 adj trench)) same (fill\$3 near2 material) same ((portion) same (remov\$3 reduc\$3)) same ((insulat\$3 adj layer) (dielectric)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/02 16:35
S45	1080	S44 and @ad<"20040131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/02 16:35
S46	246	S45 and (planar near2 surface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/02 16:36
S47	2	("7498205").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/02 16:57

S48	2	("7491624").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/02 16:59
S49	2	("7462555").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/02 17:01
S50	2	("7427558").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/02 17:03
S52	5846	((isolat\$3 adj trench)(via (open\$3)) with (fill\$3 near2 material) with (portion))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 17:15
S53	244	S52 and (trench near2 depth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 17:16
S54	134	S53 and @ad< "20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 17:16
S55	1	10/586621.app.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 19:30
S56	2	("20060228866").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/07 19:49



S57	2	("20040248375").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/07 19:52
S58	2	("7098115").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/07 19:57
S59	2	("4952524").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/07 20:10
S60	8624	((trench via open\$3) with (fill\$3 near2 material) with (portion half depth deep\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 21:02
S61	669	S60 and (notch indentat \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 21:03
S62	165	S61 and ((over\$1remov\$3) (over near2 remov\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 21:04
S63	106	S62 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 21:04
S64	1601	(438/700).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/07 21:07

S65	1	"11940326"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 21:26
S66	1	S61 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 21:33
S67	67	S60 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 21:34
S68	51	S67 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 21:34
S69	8	((trench via open\$3) with (fill\$3 near2 material) with (portion half depth deep\$3) with (sidewalls side\$1walls) with (CMP))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 23:47
S70	140	((recess trench via open \$3) same (fill\$3 near2 material) same (portion half depth deep\$3) same (sidewalls side\$1walls) same (CMP))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 23:49
S71	73	S70 and planar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 23:49
S72	5	((recess trench via open \$3) same (fill\$3 near2 material) same (portion half depth deep\$3) same (sidewalls side\$1walls) same (CMP) and (notch))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 01:08

S73	37	((via trench open\$3) same (fill\$3 adj material) same (portion half depth) same (sidewalls side \$1walls) same (CMP))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 01:12
S76	9	((low adj voltage) with (high adj voltage)) same ((trench via open\$3) with (fill\$3 near2 material) with (portion half depth deep\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 10:35
S77	2	("7427557").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/08 13:16
S78	25	((via trench open\$3) same (fill\$3 adj material) same (portion half depth) same (sidewalls side \$1walls) same (CMP) and "438"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 13:40
S79	2	((via trench open\$3) same (fill\$3 adj material) same (portion half depth) same (sidewalls side \$1walls) same (CMP)). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 13:40
S80	2	((trench) with (fill\$3 near2 material) with (portion) with (half)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 13:41
S81	8624	((trench via open\$3) with (fill\$3 near2 material) with (portion half depth deep\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 13:43
S82	669	S81 and (notch indentat \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 13:43

S83	1	S82 and ((over\$1remov\$3) (over near2 remov\$3)). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 13:43
S84	129	((recess trench via open \$3) with (fill\$3 near2 material) with (portion half depth deep\$3) with (sidewalls side\$1walls) with (remov\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 18:02
S85	31	((recess trench via open \$3) with (fill\$3 near2 material) with (portion half depth deep\$3) with (sidewalls side\$1walls) with (remov\$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/08 18:02

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